# Colswe-Meteo

Art. No. 13020

**Colswe-Meteo** is your own weather station. It measures the current humidity, barometric pressure, and ambient temperature that can be read directly via an USB connection. Measurements can be read directly via an USB connection or stores the measurements in its internal flash memory for later retrieval via the USB connection.

A filter-Cap, protects the Colswe-Meteo humidity sensor. It prevents dust from entering inside the sensor and causing measurements drift.

A fair bit of warning: this filter will make your sensor a bit slower to react to temperature/humidity changes.

**Colswe-Meteo** is ideal to build your own DIY weather station to monitor the weather conditions in your garden.

The sensor part can be detached from the main USB board and moved a few meters away using a 4-wire cable, soldered on the designed contact pads.

Note: earlier versions of this product were less accurate; for details, refer to the manual.

**Package:**        Sensor: Meteo (Art. No. 23020)
Filter: SF2 filter Cap (Art. No. 28010)
Enclosure: Box-Long-Thin-Black-Vents (Art. No. 25010)
Cable to choose between:
        USB-A-MicroB-180, length 180 cm, right angle (Art. No. 36010)
        USB-A-MicroB-180, length 180 cm, left angle (Art. No. 36020)
        USB-A-MicroB-180, length 180 cm, straight (Art. No. 36030)
Power Supply: 3 ports - USB-A white, 100-240V to 5V USB, 2,4A, 12W

**Colswe-Meteo** can be connected directly to:

- WiFi network with Colswe-Hub-Wireless-SR (Art. No. 27000)
- GSM network with a Colswe-Hub-GSM (Art. No. 27010)
- Ethernet network with a Colswe-Hub-Ethernet (Art. No. 27020)

Refer to the respective Hub article number.

**Downloads in** [www.colswe.com](http://www.colswe.com)**:**

- Colswe Meteo User Manual.pdf
- VirtualHub.Zip

## Technical Specification

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|---|---|
| Module name: | Colswe-Meteo |
| Article No.: | 13020 |
| Sensor name: | Yocto-Meteo (Made in Switzerland) |
| Sensor: | SHT25 (Sensirion), MPL3115A2 (Freescale) |
| USB connector: | micro-B |
| Refresh rate: | 1 Hz |
| Range(H): | 0..100 % |
| Measure range (P): | 200..1100 mbar (200…1100hPa) |
| Range (T): | -40..125 °C |
| Accuracy (H): | 1.8 % |
| Accuracy (P rel): | 1 mbar (1 hPa) |
| Accuracy (T): | 0.2 °C |
| Normal operating temperature; | 5...40 °C |
| Extended operating temperature: | -30...85 °C |
| Supported Operating Systems: | Windows, Linux (Intel + ARM), Mac OS X, Android |
| Drivers: | no driver needed |
| API / SDK / Libraries (USB+TCP): | C++, Objective-C, C#, VB .NET, Delphi, Python, Java/Android |
| API / SDK / Libraries (TCP only): | Javascript, Node.js, PHP, Java |
| RoHS: | yes |
| Enclosure: | YoctoBox-Long-Thin-Transp-Vents |
| Art. No.: | 25020 |
| USB cables: | |
| USB cable left | USB-A to left angle USB micro-B, 180 cm |
| Art. No.: | 36010 |
| USB cable right | USB-A to right angle USB micro-B, 180 cm |
| Art. No.: | 36020 |
| USB cable straight | USB-A to straight USB micro-B, 200 cm |
| Art. No.: | 36030 |
| Power supply: | 3 ports USB-A, 100-240 V to 5 V USB, 2,4 A, 12 W |
| Art. No.: | 59010 |
| Thickness: | 12,7 mm |
| Width: | 25,5 mm |
| Length: | 63,3 mm |
| Weight: | 18 g |

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